

## HAZARDS IDENTIFICATION

(ANSI Section 3)

**Primary route(s) of exposure :** Inhalation, skin contact, eye contact, ingestion.

**Effects of overexposure :**

**Inhalation :** Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, drowsiness, dizziness and/or lightheadedness, headache, coughing, central nervous system depression, difficulty of breathing, severe lung irritation or damage, kidney damage.

**Skin contact :** Irritation of skin. Prolonged or repeated contact can cause dermatitis, defatting. Possible sensitization to skin.

**Eye contact :** Irritation of eyes. Prolonged or repeated contact can cause conjunctivitis, tearing of eyes, redness of eyes.

**Ingestion :** Ingestion may cause mouth and throat irritation, dizziness and/or lightheadedness, headache, nausea, vomiting, gastro-intestinal disturbances, severe abdominal pain, abdominal pain, apathy, central nervous system depression, respiratory problems, intoxication, kidney damage, pulmonary edema, loss of consciousness, acute poisoning, respiratory failure, cardiac failure, brain damage.

**Medical conditions aggravated by exposure :** Eye, skin, respiratory disorders, asthma-like conditions, kidney disorders, respiratory disorders.

## FIRST-AID MEASURES

(ANSI Section 4)

**Inhalation :** Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.

**Skin contact :** Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeated applications may be needed. Remove contaminated clothing. Wash contaminated clothing before re-use.

**Eye contact :** Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

**Ingestion :** If swallowed, obtain medical treatment immediately.

## FIRE-FIGHTING MEASURES

(ANSI Section 5)

**Fire extinguishing media :** Dry chemical or foam water fog. Carbon dioxide. Closed containers may burst if exposed to extreme heat or fire. In closed tanks, water or foam may cause frothing or eruption.

**Fire fighting procedures :** Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus. Self-contained breathing apparatus recommended.

**Hazardous decomposition or combustion products :** Carbon monoxide, carbon dioxide, acrid fumes, toxic gases. Acrylic monomers oxides of calcium.

## ACCIDENTAL RELEASE MEASURES

(ANSI Section 6)

**Steps to be taken in case material is released or spilled :** Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Spills may be collected with absorbent materials. Evacuate all unnecessary personnel. Place collected material in proper container. Small spills - use absorbent to pick up residue and dispose of properly.

## HANDLING AND STORAGE

(ANSI Section 7)

**Handling and storage :** Store below 100f (38c). Keep away from heat, sparks and open flame. Keep from freezing.

**Other precautions :** Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. Avoid conditions which result in formation of inhalable particles such as spraying or abrading (sanding) painted surfaces. If such conditions cannot be avoided, use appropriate respiratory protection as directed under exposure controls/personal protection.

## EXPOSURE CONTROLS/PERSONAL PROTECTION

(ANSI Section 8)

**Respiratory protection :** Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian z94.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of respirators (Canadian z94.4).

**Ventilation :** Provide dilution ventilation or local exhaust to prevent build-up of vapors.

**Personal protective equipment :** Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing.

## STABILITY AND REACTIVITY

(ANSI Section 10)

**Under normal conditions :** Stable see section 5 fire fighting measures

**Materials to avoid :** Oxidizers, acids, reducing agents, halogens.

**Conditions to avoid :** Elevated temperatures, contact with oxidizing agent, freezing, sparks, open flame.

**Hazardous polymerization :** Will not occur

## TOXICOLOGICAL INFORMATION

(ANSI Section 11)

**Supplemental health information :** No additional effects are anticipated

**Carcinogenicity :** Contains crystalline silica which is considered a hazard by inhalation. IARC has classified crystalline silica as carcinogenic to humans (group 1). Crystalline silica is also a known cause of silicosis, a noncancerous lung disease. The national toxicology program (NTP) has classified crystalline silica as a known human carcinogen. The international agency for research on cancer (IARC) has classified carbon black as possibly carcinogenic to humans (group 2b) based on sufficient evidence in animals and inadequate evidence in humans.

**Reproductive effects :** No reproductive effects are anticipated

**Mutagenicity :** No mutagenic effects are anticipated

**Teratogenicity :** Some laboratory test results have shown ethylene glycol to be an animal teratogen. However, an expert panel convened by the national toxicology program's center for the evaluation of risks to human reproduction (cerhr) conducted a review of the scientific literature and concluded that ethylene glycol does not present a significant concern with respect to developmental and reproductive toxicity in humans.

## ECOLOGICAL INFORMATION

(ANSI Section 12)

No ecological testing has been done by ICI paints on this product as a whole.

## DISPOSAL CONSIDERATIONS

(ANSI Section 13)

**Waste disposal :** Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.

**REGULATORY INFORMATION (ANSI Section 15)**

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.

**Physical Data (ANSI Sections 1, 9, and 14)**

| Product Code | Description   | Wt. / Gal. | VOC gr. / ltr. | % Volatile by Volume | Flash Point | Boiling Range | HMIS | DOT, proper shipping name         |
|--------------|---|------------|----------------|----------------------|-------------|---------------|------|-----------------------------------|
| 3018-0100    | groundworks waterbase 100% acrylic, int/ext, floor & porch enamel white                   | 10.79      | 88.68          | 60.27                | none        | 212-501       | *210 | paint ** protect from freezing ** |
| 3018-0110    | groundworks waterbase 100% acrylic, int/ext, floor & porch enamel - white tint base       | 10.75      | 88.80          | 60.43                | none        | 212-501       | *210 | paint ** protect from freezing ** |
| 3018-0300    | groundworks waterbase 100% acrylic, int/ext, floor & porch enamel, intermediate tint base | 10.34      | 88.80          | 62.04                | none        | 212-501       | *210 | paint ** protect from freezing ** |
| 3018-0500    | groundworks waterbase 100% acrylic, int/ext floor & porch enamel, accent base             | 9.86       | 88.68          | 63.38                | none        | 212-501       | *310 | paint ** protect from freezing ** |
| 3018-3060    | groundworks waterbase 100% acrylic int/ext floor & porch enamel - adobe                   | 10.25      | 88.68          | 61.89                | none        | 212-501       | *210 | paint                             |
| 3018-3940    | groundworks waterbase 100% acrylic, int/ext floor & porch enamel - chateau grey           | 10.20      | 88.80          | 62.06                | none        | 212-501       | *210 | paint ** protect from freezing ** |
| 3018-6930    | groundworks waterbase 100% acrylic, int/ext floor & porch enamel - harbor grey            | 10.21      | 88.92          | 61.95                | none        | 212-501       | *210 | paint ** protect from freezing ** |
| 3018-7920    | groundworks waterbase 100% acrylic int/ext floor & porch enamel - tile green              | 10.03      | 88.80          | 62.34                | none        | 212-501       | *210 | paint ** protect from freezing ** |
| 3018-8380    | groundworks acrylic latex int/ext porch & floor enamel - rich brown                       | 10.10      | 88.92          | 62.35                | none        | 212-501       | *210 | paint ** protect from freezing ** |
| 3018-8910    | groundworks waterbase 100% acrylic int/ext floor & porch enamel - tile red                | 10.47      | 88.80          | 62.33                | none        | 212-501       | *210 | paint ** protect from freezing ** |

**Ingredients Product Codes with % by Weight (ANSI Section 2)**

| Chemical Name   | Common Name            | CAS. No.   | 3018-0100 | 3018-0110 | 3018-0300 | 3018-0500 | 3018-3060 | 3018-3940 | 3018-6930 | 3018-7920 | 3018-8380 | 3018-8910 |
|---|------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1,2-ethanediol  | ethylene glycol        | 107-21-1   | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       |
| limestone   | limestone              | 1317-65-3  | 1-5       | 1-5       | 1-5       | 5-10      | 5-10      | 5-10      | 5-10      | 5-10      | 1-5       | 5-10      |
| iron oxide  | iron oxide             | 1332-37-2  |           |           |           |           |           |           |           |           | 1-5       | 5-10      |
| carbon black  | carbon black           | 1333-86-4  |           |           |           |           |           |           | .1-1.0    |           | .1-1.0    |           |
| titanium oxide  | titanium dioxide       | 13463-67-7 | 10-20     | 10-20     | 5-10      |           | 1-5       | 1-5       | 1-5       |           |           |           |
| quartz  | quartz                 | 14808-60-7 |           |           |           |           | .1-1.0    | .1-1.0    | .1-1.0    |           |           |           |
| aluminum hydroxide  | aluminum hydroxide     | 21645-51-2 | 1-5       | 1-5       |           |           |           |           |           |           |           |           |
| propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol | texanol                | 25265-77-4 | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       | 1-5       |
| nepheline syenite   | feldspar-type minerals | 37244-96-5 | 10-20     | 10-20     | 10-20     | 10-20     | 5-10      | 5-10      | 5-10      | 10-20     | 10-20     | 5-10      |
| c.i. pigment yellow 42  | yellow iron oxide      | 51274-00-1 |           |           |           |           |           |           |           | 1-5       | 1-5       |           |
| silica  | amorphous silica       | 7631-86-9  | 1-5       | 1-5       | 1-5       |           |           |           |           |           |           |           |
| water   | water                  | 7732-18-5  | 40-50     | 40-50     | 40-50     | 50-60     | 40-50     | 40-50     | 40-50     | 40-50     | 40-50     | 40-50     |
| acrylic resin   | acrylic resin          | Sup. Conf. | 20-30     | 20-30     | 20-30     | 20-30     | 20-30     | 20-30     | 20-30     | 20-30     | 20-30     | 20-30     |

**Chemical Hazard Data (ANSI Sections 2, 8, 11, and 15)**

| Common Name     | CAS. No.  | ACGIH-TLV  |          |           |          | OSHA-PEL   |          |          |          | S.R. Std. | S2 | S3 | CC |   |   |   |   |   |
|-----------------|-----------|------------|----------|-----------|----------|------------|----------|----------|----------|-----------|----|----|----|---|---|---|---|---|
|                 |           | 8-Hour TWA | STEL     | C         | S        | 8-Hour TWA | STEL     | C        | S        |           |    |    |    | H | M | N | I | O |
| ethylene glycol | 107-21-1  | not est.   | not est. | 100 mg/m3 | not est. | not est.   | not est. | not est. | not est. | not est.  | n  | y  | y  | y | n | n | n | n |
| limestone       | 1317-65-3 | 10 mg/m3   | not est. | not est.  | not est. | 5 mg/m3    | not est. | not est. | not est. | not est.  | n  | n  | n  | n | n | n | n | n |
| iron oxide      | 1332-37-2 | 5 mg/m3    | not est. | not est.  | not est. | 10 mg/m3   | not est. | not est. | not est. | not est.  | n  | n  | n  | n | n | n | n | n |
| carbon black    | 1333-86-4 | 3.5 mg/m3  | not est. | not est.  | not est. | 3.5 mg/m3  | not est. | not est. | not est. | not est.  | n  | n  | n  | n | n | n | y | n |

**Footnotes:**

C=Ceiling - Concentration that should not be exceeded, even instantaneously.

S=Skin - Additional exposure, over and above airborne exposure, may result from skin absorption.

n/a=not applicable

not est=not established

CC=CERCLA Chemical

ppm=parts per million

mg/m3=milligrams per cubic meter

Sup Conf=Supplier Confidential

S2=Sara Section 302 EHS

S3=Sara Section 313 Chemical

S.R.Std.=Supplier Recommended Standard

H=Hazardous Air Pollutant, M=Marine Pollutant

P=Pollutant, S=Severe Pollutant

Carcinogenicity Listed By:

N=NTP, I=IARC, O=OSHA, y=yes, n=no

Chemical Hazard Data (Continued) (ANSI Sections 2, 8, 11, and 15)

| Common Name            | CAS. No.   | ACGIH-TLV  |          |          |          | OSHA-PEL   |          |          |          | S.R. Std. | S2 | S3 | CC | H | M | N | I | O |
|------------------------|------------|------------|----------|----------|----------|------------|----------|----------|----------|-----------|----|----|----|---|---|---|---|---|
|                        |            | 8-Hour TWA | STEL     | C        | S        | 8-Hour TWA | STEL     | C        | S        |           |    |    |    |   |   |   |   |   |
| titanium dioxide       | 13463-67-7 | 10 mg/m3   | not est. | not est. | not est. | 10 mg/m3   | not est. | not est. | not est. | not est.  | n  | n  | n  | n | n | n | n | n |
| quartz                 | 14808-60-7 | .05 mg/m3  | not est. | not est. | not est. | 0.1 mg/m3  | not est. | not est. | not est. | not est.  | n  | n  | n  | n | n | y | y | n |
| aluminum hydroxide     | 21645-51-2 | 10 mg/m3   | not est. | not est. | not est. | 5 mg/m3    | not est. | not est. | not est. | not est.  | n  | n  | n  | n | n | n | n | n |
| texanol                | 25265-77-4 | not est.   | not est. | not est. | not est. | not est.   | not est. | not est. | not est. | not est.  | n  | n  | n  | n | n | n | n | n |
| feldspar-type minerals | 37244-96-5 | 5 mg/m3    | not est. | not est. | not est. | not est.   | not est. | not est. | not est. | not est.  | n  | n  | n  | n | n | n | n | n |
| yellow iron oxide      | 51274-00-1 | 5 mg/m3    | not est. | not est. | not est. | 10 mg/m3   | not est. | not est. | not est. | not est.  | n  | n  | n  | n | n | n | n | n |
| amorphous silica       | 7631-86-9  | 10 mg/m3   | not est. | not est. | not est. | 6 mg/m3    | not est. | not est. | not est. | not est.  | n  | n  | n  | n | n | n | n | n |

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